

WEST Search History

DATE: Monday, June 10, 2002

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L6	L5 and pyramid\$3	2	L6
L5	L2 and (multiple! adj light! adj source)	21	L5
L4	L3 and (multiple! adj light! adj source)	0	L4
L3	L2 and (EUV or (extreme! adj2 (UV! or ultraviolet))) and lithography!	8	L3
L2	L1 and (secondary! adj2 light adj2 source)	305	L2
L1	projection and ((multiple! or plural\$4) near2 (light! adj source))	2536	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 2 of 2 returned.**☐ 1. Document ID: US 20010017692 A1

L6: Entry 1 of 2

File: PGPB

Aug 30, 2001

PGPUB-DOCUMENT-NUMBER: 20010017692

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010017692 A1

TITLE: Illumination optical apparatus and exposure apparatus

PUBLICATION-DATE: August 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tanitsu, Osamu	Funabashi-shi		JP	

US-CL-CURRENT: [355/67](#); [355/53](#), [355/55](#), [356/399](#), [356/400](#), [356/401](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

[KWC](#)☐ 2. Document ID: US 6236449 B1

L6: Entry 2 of 2

File: USPT

May 22, 2001

US-PAT-NO: 6236449

DOCUMENT-IDENTIFIER: US 6236449 B1

TITLE: Illumination optical apparatus and exposure apparatus

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanitsu, Osamu	Funabashi			JPX

US-CL-CURRENT: [355/67](#); [355/53](#), [362/268](#), [362/551](#), [362/553](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

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Term	Documents
PYRAMID\$3	0
PYRAMID.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	24098
PYRAMIDA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	5
PYRAMIDAL.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	15160
PYRAMIDALE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	27
PYRAMIDALS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4
PYRAMIDALY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	2
PYRAMIDAL.:DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	7
PYRAMIDAN.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	2
PYRAMIDATA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	8
PYRAMIDCAL.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	3
(L5 AND PYRAMID\$3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 8 of 8 returned.**☐ 1. Document ID: US 20020012109 A1

L3: Entry 1 of 8

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012109
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020012109 A1

TITLE: Projection exposure method and apparatus

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Suzuki, Kousuke	Tokyo		JP	
Onda, Minoru	Kawasaki-shi		JP	

US-CL-CURRENT: 355/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 2. Document ID: US 20010002155 A1

L3: Entry 2 of 8

File: PGPB

May 31, 2001

PGPUB-DOCUMENT-NUMBER: 20010002155
PGPUB-FILING-TYPE: new-utility
DOCUMENT-IDENTIFIER: US 20010002155 A1

TITLE: Catoptric reduction projection optical system and exposure apparatus and method using same

PUBLICATION-DATE: May 31, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Takahashi, Tomowaki	Yokohama-shi		JP	
Suenaga, Yutaka	Yokohama-shi		JP	

US-CL-CURRENT: 359/858; 359/365, 359/727

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 3. Document ID: US 6400794 B1

L3: Entry 3 of 8

File: USPT

Jun 4, 2002

US-PAT-NO: 6400794

DOCUMENT-IDENTIFIER: US 6400794 B1

TITLE: Illumination system, particularly for EUV lithography

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schultz; Jorg	Aalen			DEX
Wangler; Johannes	Konigsbronn			DEX

US-CL-CURRENT: 378/34; 378/145, 378/146, 378/147, 378/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

☐ 4. Document ID: US 6335786 B1

L3: Entry 4 of 8

File: USPT

Jan 1, 2002

US-PAT-NO: 6335786

DOCUMENT-IDENTIFIER: US 6335786 B1

TITLE: Exposure apparatus

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shiraishi; Naomasa	Urawa			JPX

US-CL-CURRENT: 355/67; 355/66, 355/71, 359/850, 359/864, 362/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

☐ 5. Document ID: US 6302548 B1

L3: Entry 5 of 8

File: USPT

Oct 16, 2001

US-PAT-NO: 6302548

DOCUMENT-IDENTIFIER: US 6302548 B1

TITLE: Catoptric reduction projection optical system and exposure apparatus and method using same

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Tomowaki	Yokohama			JPX
Suenaga; Yutaka	Yokohama			JPX

US-CL-CURRENT: 359/858; 359/365, 359/366, 359/859, 359/861

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 6. Document ID: US 6235438 B1

L3: Entry 6 of 8

File: USPT

May 22, 2001

US-PAT-NO: 6235438

DOCUMENT-IDENTIFIER: US 6235438 B1

TITLE: Projection exposure method and apparatus

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Suzuki; Kousuke	Tokyo			JPX
Onda; Minoru	Kawasaki			JPX

US-CL-CURRENT: 430/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 7. Document ID: US 6213610 B1

L3: Entry 7 of 8

File: USPT

Apr 10, 2001

US-PAT-NO: 6213610

DOCUMENT-IDENTIFIER: US 6213610 B1

TITLE: Catoptric reduction projection optical system and exposure apparatus and method using same

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Tomowaki	Yokohama			JPX
Suenaga; Yutaka	Yokohama			JPX

US-CL-CURRENT: 359/858; 359/365, 359/366, 359/859, 359/861

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 8. Document ID: US 6109756 A

L3: Entry 8 of 8

File: USPT

Aug 29, 2000

US-PAT-NO: 6109756

DOCUMENT-IDENTIFIER: US 6109756 A

TITLE: Catoptric reduction projection optical system

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Tomowaki	Yokohama			JPX

US-CL-CURRENT: 359/857; 359/365, 359/366, 359/727, 359/728, 359/730, 359/858, 359/861

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

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Term	Documents
EUV.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	704
EUVS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1
EXTREME.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	210284
UV.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	172081
ULTRAVIOLET.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	196605
ULTRAVIOLETS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	57
LITHOGRAPHY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	36601
((2 AND (LITHOGRAPHY!)) AND (EUV OR ((EXTREME!) ADJ2 (UV! OR ULTRAVIOLET))))).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	8
(L2 AND (EUV OR (EXTREME! ADJ2 (UV! OR ULTRAVIOLET))) AND LITHOGRAPHY!).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	8

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	Type	L #	Hits	Search Text	DBs	Time Stamp
1	IS&R	L1	2193	(250/492.2,49.2,492.1).CCLS	USPAT; US-PGP UB	2002/06/10 08:48
2	IS&R	L2	2077	(430/311,966,967).CCLS.	USPAT; US-PGP UB	2002/06/10 08:49
3	IS&R	L3	1377	(353/99,31,38,34,37,98).CCLS.	USPAT; US-PGP UB	2002/06/10 08:49
4	IS&R	L4	1684	(378/34,35,84,85,87,145-147).CCLS.	USPAT; US-PGP UB	2002/06/10 08:49
5	BRS	L6	43	L2 and (EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB	2002/06/10 08:51
6	BRS	L7	0	L3 and (EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB	2002/06/10 08:51
7	BRS	L8	52	L4 and (EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB	2002/06/10 08:51
8	BRS	L10	0	L6 and ((multi\$4 or plural\$5) adj3 (light! adj source))	USPAT; US-PGP UB	2002/06/10 08:54
9	BRS	L9	2	L5 and ((multi\$4 or plural\$5) adj3 (light! adj source))	USPAT; US-PGP UB	2002/06/10 09:04
10	BRS	L11	4	L8 and ((multi\$4 or plural\$5) adj3 (light! adj source))	USPAT; US-PGP UB	2002/06/10 09:03
11	BRS	L12	70516	250/\$6.ccls.	USPAT; US-PGP UB	2002/06/10 09:04
12	BRS	L13	1065	L12 and ((multi\$4 or plural\$5) adj3 (light! adj source))	USPAT; US-PGP UB	2002/06/10 09:06

	Comments	Error Definition	Errors
1			0
2			0
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10			0
11			0
12			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
13	BRS	L14	4	L13 and (EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB	2002/06/10 10:00
14	BRS	L15	262	(EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 09:21
15	BRS	L16	1	L15 and \$6lithography and ((multi\$5 or plural\$5) near3 source)	EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 09:21
16	BRS	L17	126	(EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USOCR	2002/06/10 09:21
17	BRS	L5	40	L1 and (EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB	2002/06/10 09:25
18	BRS	L21	0	L15 and (secondary! adj4 source)	USPAT; US-PGP UB	2002/06/10 09:27
19	BRS	L22	0	L15 and ((multi\$6 or plural\$5) adj4 source)	USPAT; US-PGP UB	2002/06/10 10:01
20	BRS	L23	0	L15 and ((multi\$4 or plural\$5) adj4 source)	USPAT; US-PGP UB	2002/06/10 09:28
21	BRS	L18	3	L5 and (secondary! adj4 source)	USPAT; US-PGP UB	2002/06/10 09:28
22	BRS	L19	2	L6 and (secondary! adj4 source)	USPAT; US-PGP UB	2002/06/10 09:30
23	BRS	L20	4	L8 and (secondary! adj4 source)	USPAT; US-PGP UB	2002/06/10 09:31

	Comments	Error Definition	Errors
13			0
14			0
15			0
16			0
17			0
18			0
19		Truncation overflow.	1
20			0
21			0
22			0
23			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
24	BRS	L24	852	(EUV or (extreme! ADJ (UV or (ultra adj2 violet))))	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 10:01
25	BRS	L25	32	L24 and ((multi\$6 or plural\$5) adj4 source)	USPAT; US-PGP UB	2002/06/10 10:02
26	BRS	L26	39	L24 and ((multi\$4 or plural\$4) adj4 source)	USPAT; US-PGP UB	2002/06/10 10:03
27	BRS	L27	40	L24 and ((multi\$4 or plural\$4) adj4 source)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 10:04
28	BRS	L28	32	L24 and ((multi\$3 or plural\$4) adj3 source)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 10:04
29	BRS	L29	10	"L32" and (secondary! adj3 source)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 10:05

	Comments	Error Definition	Errors
24			0
25		Truncation overflow.	1
26			0
27		Truncation overflow.	1
28			0
29			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
30	BRS	L30	12	L28 and (secondary! adj3 source)	USPAT; US-PGP UB; EPO; JPO; DERWEN T; IBM_TD B	2002/06/10 10:05

	Comments	Error Definition	Errors
30			0